Safety Data Sheet
according to EC-Regulation 91/155/EEC

1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

1001 No Vac - Car

Use of the substance/preparation
Refer to description of material or preparation.

Company/undertaking identification
WD-40 Company Limited, PO Box 440, Milton Keynes, MK11 3LF
Telephone: +44 (0)1908 555400, Fax: +44 (0)1908 266900

Emergency telephone / Office for advice
Advisory office in case of poisoning:
Tel.: ---
Telephone number of the company in case of emergencies:
Tel.: +44 (0)1908 555400

2. Composition/information on ingredients

Aerosol

2.1 Chemical name	content %	symbol	R-phrases	CAS	EINECS, ELINCS
Isobutane	5 - 30	F+	12		200-857-2
Propane	1 - 10	F+	12		200-827-9
Propan-2-ol	1 -< 20	F/Xi	11-36-67		200-661-7

For complete wording of the R-phrases, refer to point 16.

3. Hazards identification

3.1 To people
See point 11 and 15.
Preparation is classified as hazardous in the sense of directive 1999/45/EC.
Product is extremely flammable.
Danger of bursting (explosion) when heated.
When using: development of explosive vapour/air mixture possible.
3.2 To the environment
See point 12.

4. First aid measures

4.1 Inhalation
Supply person with fresh air and consult doctor according to symptoms.

4.2 Eye contact
Wash thoroughly for several minutes using copious water. Seek medical help if necessary.
Keep Data Sheet available.

4.3 Skin contact
Wash thoroughly with soap and copious water - remove contaminated clothing immediately. If skin irritation occurs (redness etc.), consult doctor.

4.4 Ingestion
Typically no exposure pathway.
Consult doctor immediately - keep Data Sheet available.

4.5 Special resources necessary for first aid
n.s.

5. Fire-fighting measures

5.1 Suitable extinguishing media
Cool container at risk with water.
CO2
Water jet spray

5.2 Extinguishing media which must not be used for safety reasons
High volume water jet

5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases
In case of fire the following can develop:
Oxides of carbon
Toxic pyrolysis products.
Danger of explosion by prolonged heating.
Explosive vapour/air mixture

5.4 Special protective equipment for fire-fighters
Protective respirator with independent air supply
According to size of fire
Full protection, if necessary

5.5 Further information
Dispose of contaminated extinction water according to official regulations.

6. Accidental release measures

Refer to point 13. and for personal protection refer to point 8.

6.1 Personal precautions
Remove possible causes of ignition - do not smoke.
Ensure sufficient supply of air.
Avoid inhalation, and contact with eyes or skin.

6.2 Environmental measures
Prevent penetration into drains, cellars, working pits or other places in which accumulation could be hazardous.
Prevent surface and ground-water infiltration, as well as ground penetration.

6.3 Methods for cleaning up
If spray or gas escapes, ensure ample fresh air is available.
Without adequate ventilation formation of explosive mixtures may be possible.
Active substance:
Collect using absorbant material (e.g. Universal binding medium), and dispose of according to point 13.

7. Handling and storage

7.1 Handling
Tips for safe handling:

See point 6.1
Ensure good ventilation.
Keep away from sources of ignition - Do not smoke.
Take measures against electrostatic charging, if appropriate.
Do not use on hot surfaces.
Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.
Wash hands before breaks and at end of work.
Observe directions on label and instructions for use.
Use working methods according to operating instructions.

7.2. Storage

Requirements for storage rooms and containers:

Not to be stored in gangways or stair wells.
Store products only unopened, in original packing.
Observe special regulations for aerosols.
Do not store with oxidizing agents.

Special storage conditions:

See point 10.2
Keep protected from direct sunlight and temperatures over 50°C.
Store in a well ventilated place.

8. Exposure controls/personal protection

Ensure good ventilation. This can be achieved by local suction or general air extraction.
If this is insufficient to maintain the concentration under the OES, MEL or MAK values, suitable breathing protection should be worn.
Applies only if maximum permissible exposure values are listed here.

Chemical name	content %	OES, MEL, MAK, TRK	BMGV, BAT
Isobutane	5 – 30	1000 ppm (2400 mg/m3)	
Propane	1 - 10	1000 ppm (1800 mg/m3)	
Propan-2-ol	1 -< 20	400 ppm (999 mg/m3) 50 mg/l	

8.1 Respiratory protection: Normally not necessary.
If OES-, MEL- or MAK-value is exceeded.
Filter A P 3 (EN 141)
8.2 Hand protection: Solvent resistant protective gloves (EN 374).
If applicable
Protective gloves in butyl rubber (EN 374).
Safety gloves made of fluorocarbon rubber (EN 374).
Protective hand cream recommended.
8.3 Eye protection: Tight fitting protective goggles with side protection (EN 166).
8.4 Skin protection: Protective working garments (e.g. safety shoes EN 344, longsleeved protective working garments)
Additional information on hand protection - No tests have been performed.
Selection made for preparations according to the best available knowledge and information on the ingredients.
Selection of materials derived from glove manufacturer's indications.
Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.
Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.
In the case of preparations the resistance of glove materials cannot be calculated in advance so it has to be tested before use. The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

9. Physical and chemical properties

Physical state:	Aerosol
Colour:	Colourless
Odour:	Perfumed
pH-value undiluted:	n.a.
Boiling point / range (°C):	n.a.
Melting point / range (°C):	n.a.
Flash point (°C):	n.a.
Oxidising properties:	No
Minimum limit of explosion:	2 Vol% *
Maximum limit of explosion:	12 Vol% *
Vapour pressure:	n.a.
Relative density (g/ml):	n.a.
Solubility in water:	n.a.

* Propan-2-ol

10. Stability and reactivity

10.1 Conditions to avoid

See point 7
Stable when handled and stored correctly.
Heating, open flame, ignition sources
Pressure increase will result in danger of bursting.

10.2 Materials to avoid

See point 7
Avoid contact with oxidizing agents.

10.3 Hazardous decomposition products

See point 5.3

11. Toxicological information

11.1 Acute toxicity and immediate effects

11.1.1 Ingestion, LD50 rat oral (mg/kg):	n.a.
11.1.2 Inhalation, LC50 rat inhal.(mg/l/4h):	n.a.
11.1.3 Skin contact, LD50 rat dermal (mg/kg):	n.a.
11.1.4 Eye contact:	n.a.

11.2 Delayed and chronic effects

11.2.1 Sensitization:	n.a.
11.2.2 Carcinogenicity:	n.a.
11.2.3 Mutagenicity:	n.a.
11.2.4 Reproductive toxicity:	n.a.
11.2.5 Narcosis:	n.a.

11.3. Further information

No classification according to calculation procedure.

12. Ecological information

Water hazard class: 2
Self classification: Yes (VwVwS)
Persistence and degradability:
> 99% OECD 303A, > 95% OECD Screening test *
* Propan-2-ol
Behaviour in sewage plants: Problems not expected when used correctly.
Aquatic toxicity: n.a.
Ecological toxicity: n.a.

13. Disposal considerations

13.1. for the material / preparation / residue

EC disposal code no.:
The waste codes are recommendations based on the scheduled use of this product.
Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances.
16 05 - gases in pressure containers and discarded chemicals
16 05 04 - gases in pressure containers (including halons) containing dangerous substances
16 05 05 - gases in pressure containers other than those mentioned in 16 05 04
Recommendation:
Pay attention to local and national official regulations
E.g. suitable incineration plant.
E.g. dispose at suitable refuse site.

13.2 for contaminated packing material

See point 13.1
Pay attention to local and national official regulations
Recommendation:
Do not perforate, cut up or weld uncleaned container.
15 01 04 - metallic packaging

14. Transport information

General statements

UN-Number: 1950

Road/Rail-transport (ADR/RID)

Class/packing-group: 2/-
UN 1950 AEROSOLS
Classification code: 5F
LQ: 2

Transport by sea

IMDG-code: 2/- (class/packing-group)
EmS: F-D, S-U
Marine Pollutant: n.a
AEROSOLS

Transport by air

IATA: 2.1/-/- (class/secondary danger/packing-group)
Aerosols, flammable

Additional information:

Danger code and packing code on request.

15. Regulatory information

Classification according to Dangerous Product Regulations incl. EC Directives (67/548/EEC and 1999/45/EC)

Symbols: F+
Indications of danger: Extremely flammable

F+

R-phrases:
12 Extremely flammable.
Without adequate ventilation formation of explosive mixtures may be possible.
S-phrases:
23.f Do not breathe vapour/spray.
35 This material and its container must be disposed of in a safe way.
(46) If swallowed, seek medical advice immediately and show this container or label.
51 Use only in well-ventilated areas.

Additions:
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C.
Do not pierce or burn, even after use.
Do not spray on a naked flame or any incandescent material.
Keep away from sources of ignition - No smoking.
Keep out of the reach of children.
Observe restrictions: Yes
Observe restrictive guidelines 76/769/EEC, 1999/51/EC, 1999/77/EC
VOC 1999/13/EC ~ 28%

16. Other information

These details refer to the product as it is delivered.

Storage class VCI (Germany):	2 B
Revised points:	n.a.

12 Extremely flammable.
11 Highly flammable.
36 Irritating to eyes.
67 Vapours may cause drowsiness and dizziness.

Legend:

n.a. = not applicable / n.v., k.D.v. = not available / n.g. = not checked / OES = Occupational exposure standard
MEL = Maximum exposure limit / BMGV = Biological monitoring guidance value / MAK = Maximum concentration for work place (Germany) / TRK = Technical guidance concentration (Germany) / BAT = Biological tolerance for work place (Germany)
VbF = Regulations for flammable liquids (Germany) / TRbF = Technical regulations for flammable liquids (Germany)
WGK = water hazard class (Germany) - WGK 3 = very hazardous, WGK 2 = hazardous, WGK 1 = slightly hazardous to water
VOC-CH=Volatile organic compounds(VOCV - Switzerland)/AOX=Adsorbable organic halogen compounds
VwVwS = Administrative Order relating to substances hazardous to water (Germany)
The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.
No responsibility.
These statements were made by:
Gefahrstoffberatung Schnurbusch GmbH & Co. KG Tel.: 05233-9417-0 FAX: 05233-941790
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William Noble **Title: Managing Director**